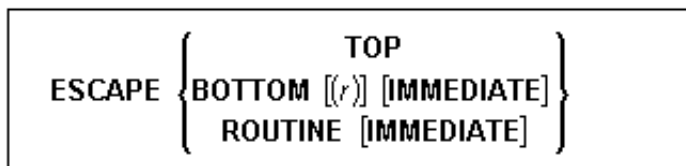
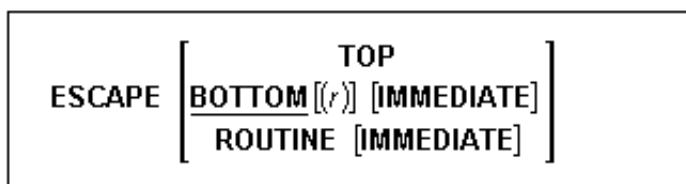


ESCAPE

Structured Mode Syntax



Reporting Mode Syntax



Function

The ESCAPE statement is used to interrupt the linear flow of execution of a processing loop or a routine.

With the keywords TOP, BOTTOM and ROUTINE you indicate where processing is to continue when the ESCAPE statement is encountered.

An ESCAPE TOP/BOTTOM statement, when encountered for processing, will internally refer to the innermost active processing loop. The ESCAPE statement need not be physically placed within the processing loop.

If an ESCAPE TOP/BOTTOM statement is placed in a routine (subroutine, subprogram, or program invoked with FETCH RETURN), the routine(s) entered during execution of the processing loop will be terminated automatically.

ESCAPE TOP

TOP indicates that processing is to continue at the top of the processing loop. The next repetition of the processing loop is begun.

ESCAPE BOTTOM

BOTTOM indicates that processing is to continue with the first statement following the processing loop. The loop is terminated and loop-end processing (final BREAK and END DATA) is executed for all loops being terminated.

If BOTTOM is followed by a label or reference number, processing will continue with the first statement following the processing loop identified by the label or reference number.

If you specify the keyword IMMEDIATE, no loop-end processing will be performed.

In reporting mode, ESCAPE BOTTOM is the default.

ESCAPE ROUTINE

This option indicates that the current Natural routine, which may have been invoked via a PERFORM, CALLNAT, FETCH RETURN, or as a main program, is to relinquish control.

In the case of a subroutine, processing will continue with the first statement after the statement used to invoke the subroutine. In the case of a main program, Natural command mode will be entered.

All loops currently active within the routine will be terminated and loop-end processing performed as well as final processing for user-initiated (PERFORM BREAK) processing. If the program containing the ESCAPE ROUTINE is executed as a main program (level 1), final end-page processing is performed.

If you specify the keyword IMMEDIATE, no loop-end processing will be performed.

Additional Considerations

More than one ESCAPE statement may be contained within the same processing loop.

The execution of an ESCAPE statement may be based on a logical condition.

If an ESCAPE statement is encountered during processing of an AT END OF DATA, AT BREAK or AT END OF PAGE block, the execution of the special condition block will be terminated and ESCAPE processing will continue as required.

If an ESCAPE statement is encountered during processing of an if-no-records-found condition, no loop-end processing will be performed (equivalent to ESCAPE IMMEDIATE).

Example

```

/* EXAMPLE 'ESCEX1S': ESCAPE (STRUCTURED MODE)
/*****
DEFINE DATA LOCAL
1 EMPLOY-VIEW VIEW OF EMPLOYEES
  2 CITY
  2 FIRST-NAME
  2 NAME
  2 AREA-CODE
  2 PHONE
1 #CITY (A20) INIT <' '>
1 #CNTL (A1) INIT <' '>
END-DEFINE
/*****
RPT. REPEAT
  INPUT 'ENTER VALUE FOR CITY: ' #CITY
    / '(OR '.' TO TERMINATE)'
  IF #CITY = '.'
    STOP
  END-IF
/*****
FND. FIND EMPLOY-VIEW WITH CITY = #CITY
/*****
  IF NO RECORDS FOUND
    WRITE 'NO RECORDS FOUND'
    ESCAPE BOTTOM (FND.)
  END-NOREC
  AT START OF DATA
    INPUT (AD=O) 'RECORDS FOUND:' *NUMBER //
      'ENTER 'D' TO DISPLAY RECORDS' #CNTL (AD=M)
    IF #CNTL NE 'D'
      ESCAPE BOTTOM (FND.)
    END-IF
  END-START
/*****
  DISPLAY NOTITLE NAME FIRST-NAME PHONE
  END-FIND
  END-REPEAT
/*****
END

```

ENTER VALUE FOR CITY: **PARIS**
(OR '.' TO TERMINATE)

RECORDS FOUND: 24

ENTER 'D' TO DISPLAY RECORDS **D**

NAME	FIRST-NAME	TELEPHONE	
		AREA CODE	TELEPHONE
-----	-----	-----	-----
MAIZIERE	ELISABETH	1033	46758304
MARX	JEAN-MARIE	1033	40738871
REIGNARD	JACQUELINE	1033	48472153
RENAUD	MICHEL	1033	46055008
REMOUE	GERMAINE	1033	36929371
LAVENDA	SALOMON	1033	40155905
BROUSSE	GUY	1033	37502323
GIORDA	LOUIS	1033	37497316
SIECA	FRANCOIS	1033	40487413
CENSIER	BERNARD	1033	38070268
DUC	JEAN-PAUL	1033	38065261
CAHN	RAYMOND	1033	43723961
MAZUY	ROBERT	1033	44286899
VALLY	ALAIN	1033	47326249
BRETON	JEAN-MARIE	1033	48467146
GIGLEUX	JACQUES	1033	40477399
XOLIN	CHRISTIAN	1033	46060015

Equivalent reporting-mode example: See the program ESCEX1R in the library SYSEXRM.